

Current Work

The rehabilitation plan includes grouting, as well as modern concrete barrier walls to stop the seepage. Grout is generally a mixture of sand, cement, water and additives. The mixture is placed under pressure into small diameter holes drilled deep into the rock foundation. The grout will fill voids and slow the seepage beneath and around the dam. A barrier wall is a concrete wall built in sections deep into the foundation as a permanent barrier to seepage.

Two major construction contracts are planned to accomplish the work. The first was awarded in February 2008 for grouting of the Left Rim and Main Dam to Kiewit-A.C.T., a Joint Venture in the amount of \$87.4M. The scope of the contract includes:

- Construct concrete grouting platforms and staging area at Eisenhower Park
- Install grout curtains along 4,100 linear feet; up to depths of 270 ft
- Fill a cave feature in the left rim
- Monitor & correct water quality degradation from grouting operations to protect the Caney Fork River

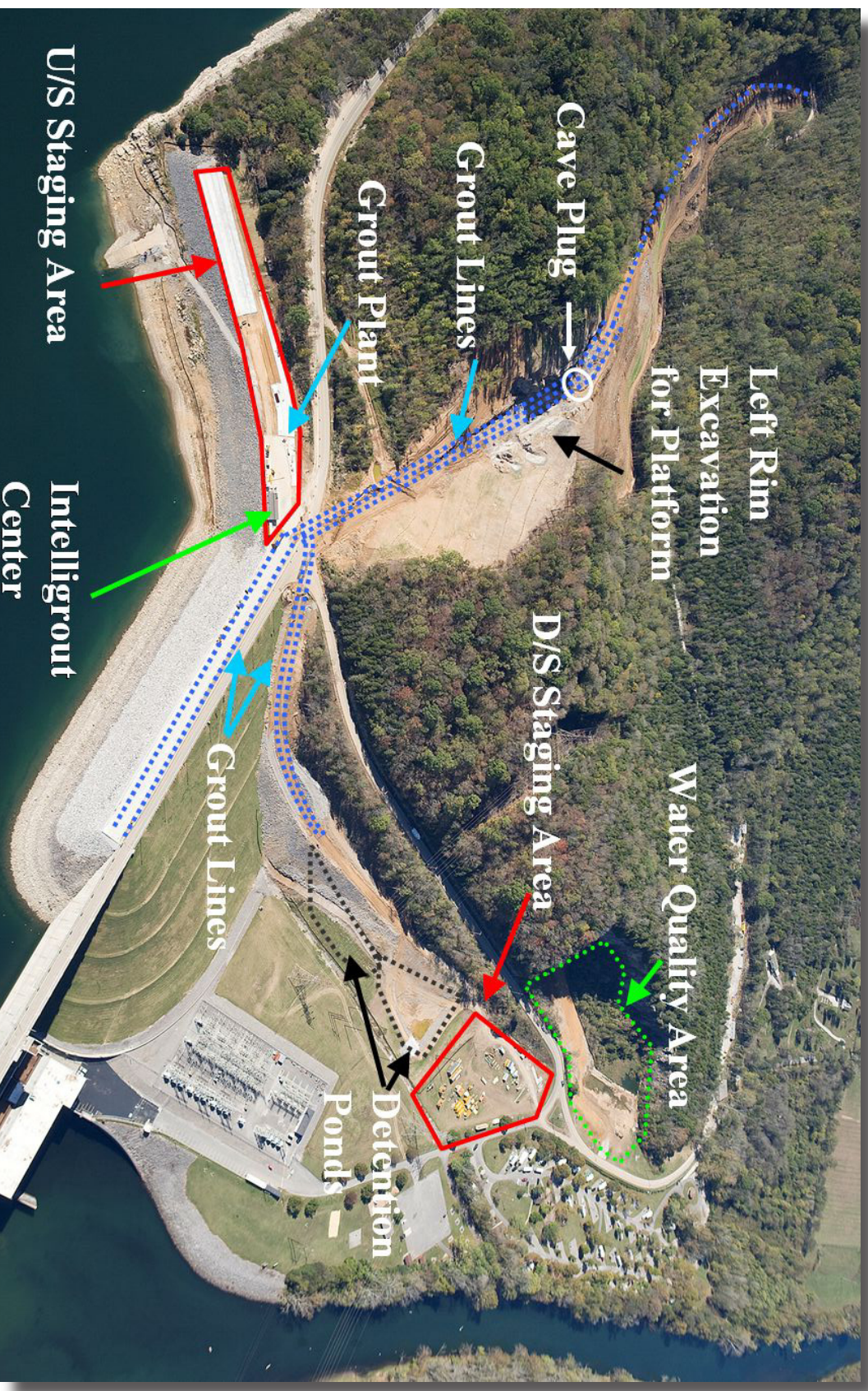


Drill crews begin the drilling prior to grouting the rock foundation along the groin lines.

This priority contract is planned to be completed in the summer of 2010. The first step was to prepare work surfaces from which the grouting is accomplished, referred to as “platforms.” Grouting began at the main dam foundation in March 2009. We are also currently preparing contract documents for the next large grouting contract at the Right Rim and Saddle Dam. This contract is also includes barrier walls into the main dam and saddle dam foundations, and is scheduled to be awarded in April 2010.



Work is currently underway to prepare the left rim for drilling and grouting. Approximately 340,000 cubic yards of soil and rock are being excavated from the left rim, cutting through the hillside to create a work platform.



An aerial view of the current contract features. Note the dashed blue lines depicting grout line locations. One of two contractor staging areas is at Eisenhower Park (Center Hill Recreation Area).